

Figure S7. Arrangement of selected genetic loci containing VimA-related proteins.
This figure includes the following 6 pages.

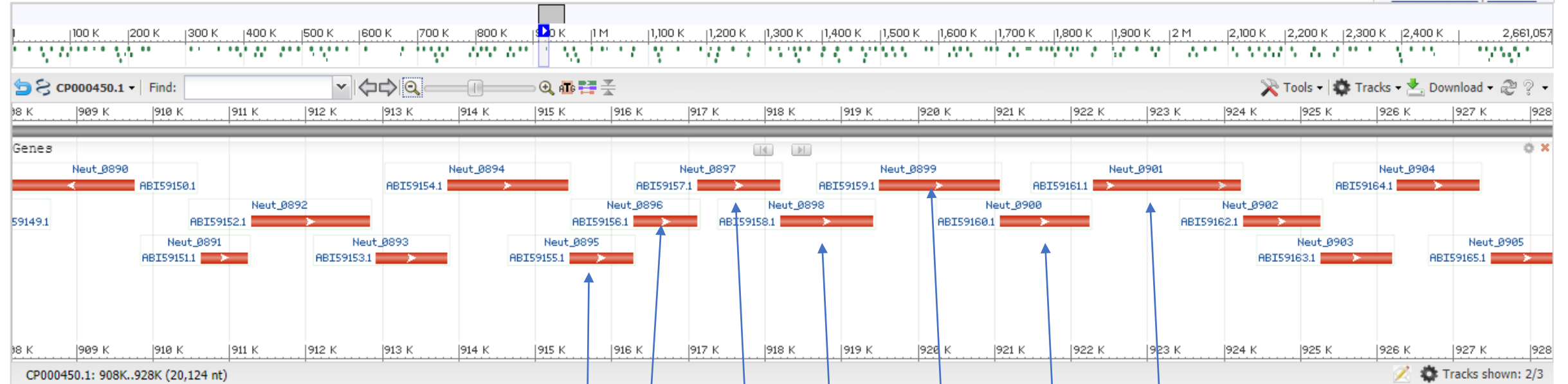
Nitrosomonas eutropha C91

Nitrosomonas eutropha C91, complete genome

GenBank: CP000450.1

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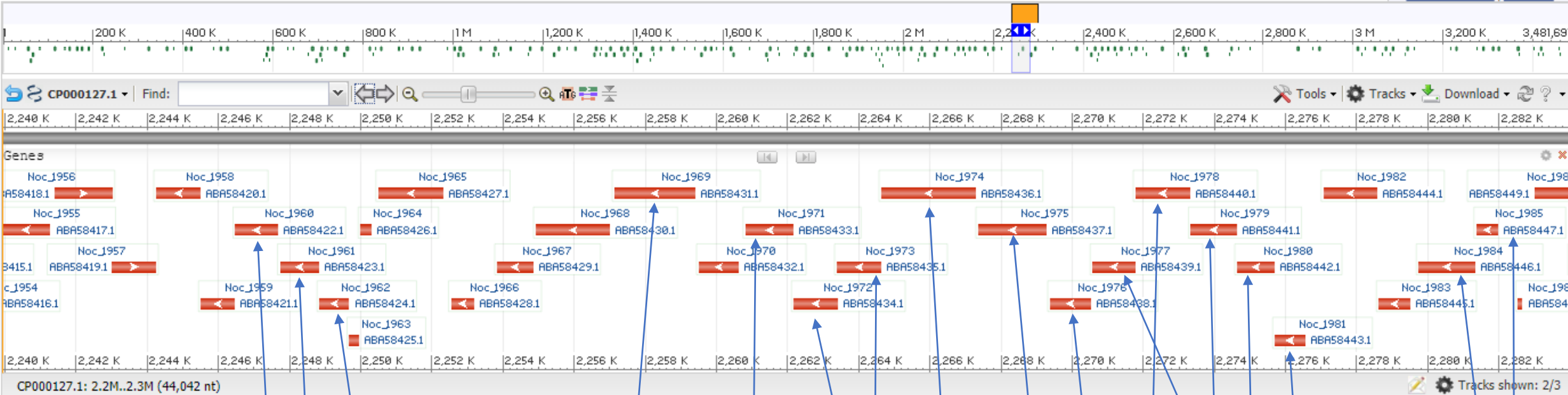
[https://www.ncbi.nlm.nih.gov/nuccore/CP000450.1?report=graph&log\\$=seqview](https://www.ncbi.nlm.nih.gov/nuccore/CP000450.1?report=graph&log$=seqview)

Nitrosococcus oceani ATCC 19707, complete genome

GenBank: CP000127.1

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Amino-transferase (PorR?)

hydrolase

Acetyl-transferase

“heparinase”

CapK

Glycosyl transferase

??

AsnB

UDP-N-acetylglucosamine 2-epimerase

EpsH

Glycosyl transferase

VimA

PS deacetylase

PS chain length determining protein

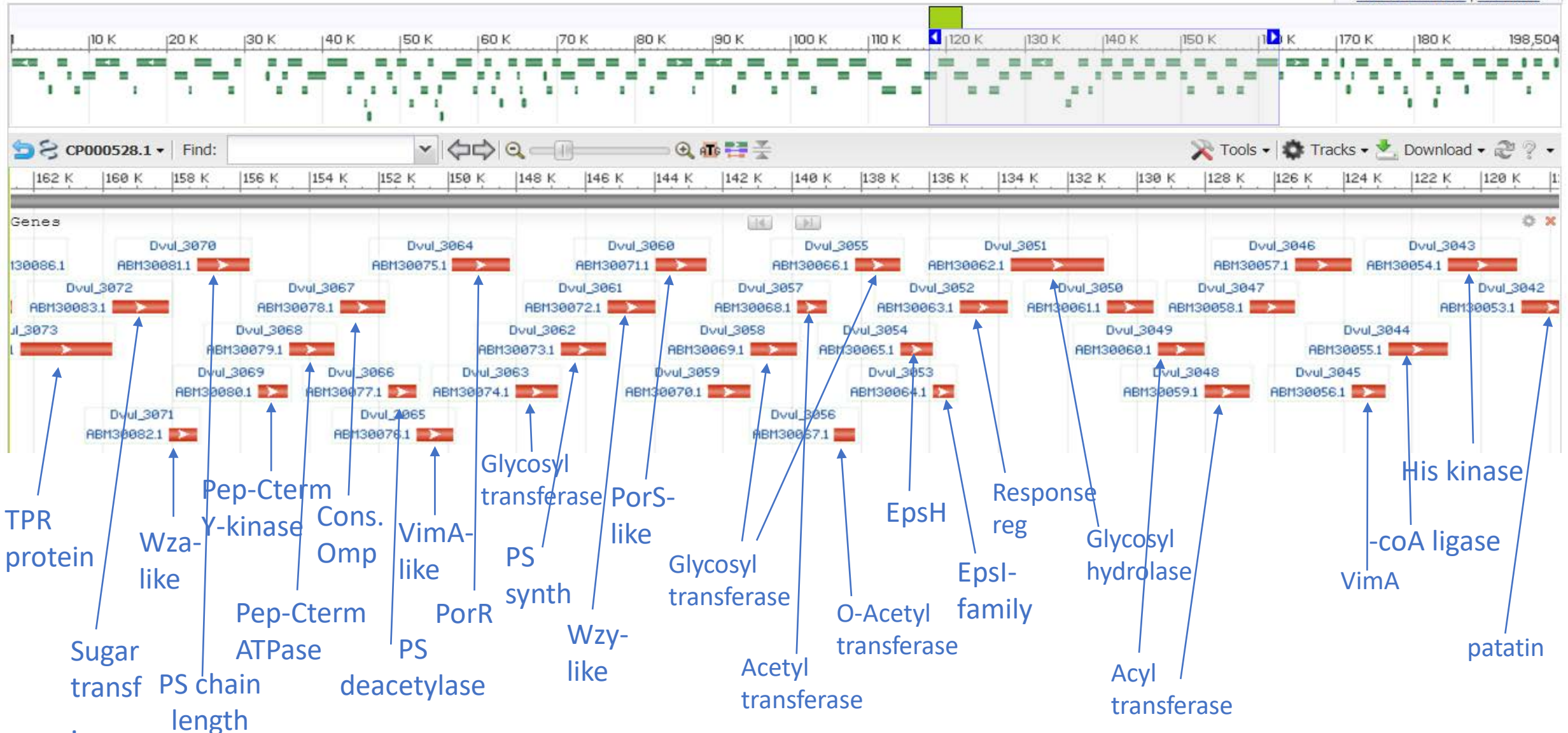
PS export

Desulfovibrio vulgaris DP4 plasmid pDVUL01, complete sequence

GenBank: CP000528.1

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<https://www.ncbi.nlm.nih.gov/nucore/CP000528.1?report=graph&from=122769&to=123776&strand=true>

Pseudomonas mosselii strain SC006 Scaffold4

Pseudomonas mosselii strain SC006 Scaffold4, whole genome shotgun sequence

GenBank: VAUO01000004.1

[GenBank](#) [FASTA](#)



WbpA
WbpB
WbpD
PorR
PorS
"sulfotransferase"
VimA
VimE
Glycosyl transferase
Glycosyl transferase
acyltransferase
KDO synthase?

<https://www.ncbi.nlm.nih.gov/nucore/VAUO01000004.1?report=graph&from=130421&to=131380&strand=true>

Aeromonas veronii strain FC951 chromosome, complete genome

GenBank: CP032839.1

[GenBank](#) [FASTA](#)



Rhombosortase =
C0073_012080

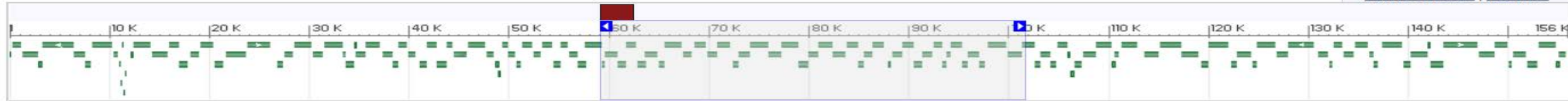
[https://www.ncbi.nlm.nih.gov/nuccore/CP032839.1?report=graph&log\\$=seqview&from=1379665&to=1380627](https://www.ncbi.nlm.nih.gov/nuccore/CP032839.1?report=graph&log$=seqview&from=1379665&to=1380627)

Vibrio cholerae strain S12 VCS12_contig000003_Vibrio_cholerae_strain_S-12, whole genome shotgun sequence

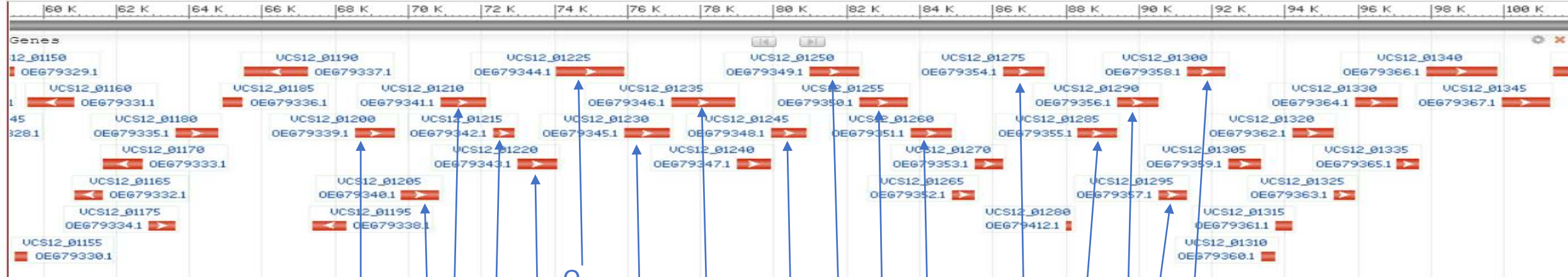
GenBank: MDST01000003.1

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More LPS genes

PS chain length

WbpA
WbpB
WbpD

PorR

O-
acetylase
PS export

AsnB

VimA

VimE
Oligosaccharide polymerase

WbuB
Glycosyl transferase

WbuX

epimerase

Glycosyl transferase

Glc
dehydratase

Rhombosortase
= VCS12_09380

<https://www.ncbi.nlm.nih.gov/nuccore/MDST01000003.1?report=graph&from=79938&to=80900>